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Date : .....

No: SS/RRP/School/W17/02/2022-23

To,
Executive Engineer
Project Division. RR Nagara Zone.
Bruhath Bangalore Mahanagara Palike
Bangalore-560098

Sir,

Sub: Submission of Report for RA Bill No-02 and Partpertaining to the work Providing **Consultancy Services for Supervision ,Project Management and Quality control for the Work of PROPOSED CONSTRUCTION OF RAJARAJESHWARI SCHOOL (KALPANA ROAD) BUILDING IN WARD NO.17 J.P.PARK, BANGALORE.**

Ref: Work order No: EE(Proj)/RRN/WO.No/32/2021-22 Dated: 11.01.2022

With reference to the above subject, the quality and quantity executed by agency **M/S M.R. Infra**, up to **RA Bill No-02** and Part pertaining to the work of **"PROPOSED CONSTRUCTION OF RAJARAJESHWARI SCHOOL (KALPANA ROAD) BUILDING IN WARD NO.17 J.P.PARK, BANGALORE".** Prepared for **Rs:1,79,50,356.52 (One Crore Seventy Nine Lakhs Fifty Thousand Three Hundred and Fifty Six Rupees Dot Five two Paise Only)** we are taken the Service "Civil Quality Consultants and Engineers" for testing materials using Laboratory. enclosed with this letter, submitted for the needful action.

Certification:

1. This quantity and quality of the work in satisfactory.
2. RMC has been used for all the concrete works.
3. BBMP, AE an representative present during work execution.
4. Work carried out according to the specification.
5. All the RMC grade concrete cubes works carried on the date of concreting.

"Thanking you"

ESS ESS BUILDERS Bengaluru & Hassan Reg No 2555343 Consulting Engineer & Architect

(ESS ESS BUILDERS)
Proprietor

Address :H.O No 70/120, Maruthinagar, Nagarabhavi Main Road, Bengaluru-560072
C.O : Upstair Sanmathi Medicals, Slaters Hall Circle, Park Road, HASSAN-573 201
Website : essessbuildersandconsultants.com email : essessbldrs@gmail.com, info@ssbuildersandconsultant.com
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Name of the work	~~PROJECT:PROPOSED CONSTRUCTION OF RAJARAJESHWARI SCHOOL (KALPANA ROAD)~~ BUILDING IN WARD NO.17 J.P.PARK, BANGALORE
	Executive Engineer, Project Division, R R Nagar Zone, BBMP Banglore
Name of Client	M/S M R Infra, No.123/30, 4th Floor, 1st Main Road, Rajajinagar Industrial Town, Bangalore-10.
Name of the contractor/Agency:	EE(P)/RRN/AGR/35/2021-22 Dated: 10.01.2022
Agreement No.	EE(Proj)/RRN/WO.No/32/2021-22 Dated: 11.01.2022
Work Order No.	Rs. 8,00,00,000.00
Contract Amount	Rs. 7,99,000.00
Consultancy Charges Amount	11-Jan-22
Consultant Start Date of the work	27-Apr-22
Date Of Inspection	2nd and Part Bill
Bill Status	Assistant Engineer, Ward No. 17, Project Division, R R Nagar Zone, BBMP, Banglore.
In The Presence of	Channakeshava, Engineer, M/S Ess Ess Builders, PMC Consultants. Banglore-72

RA BILL: 02nd and Part

Compiled Report

Boq Item No	Description	Unit	BOQ Qty	Present Measurements	
				Qty	Amount
14	Providing & laying IN POSITION REINFORCED CEMENT CONCRETE of design mix M25 with OPC cement @ 340 Kgs with down size graded grinite metel coarse aggregates @ 0.70 Cum & fine aggregates @ 0.47 Cum with super plastisiser @ 3.0 Ltrs confirming to IS 9103-1999, re affirmed - 2008, Maichine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation ,Plinth,& Ground floor Level for Roof Slab, Staircase, Lintels, Retaining Wall, Pires, Abutments, Pillers, Posts, Struts, Butteress, String or Lasing Corsess, Prapeets Copings, Bed Blocks, anchor blocks, plain windows cills, filliets, etc including cost of all materials, laobur HOM of machinary, curing complete as per specification. First floor	Cum	26.7	26.70	Work done upto the billed Quantity and Quality is Satisfactory
15	Providing & laying IN POSITION REINFORCED CEMENT CONCRETE of design mix M25 with OPC cement @ 340 Kgs with down size graded grinite metel coarse aggregates @ 0.70 Cum & fine aggregates @ 0.47 Cum with super plastisiser @ 3.0 Ltrs confirming to IS 9103-1999, re affirmed - 2008, Maichine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation ,Plinth,& Ground floor Level for Roof Slab, Staircase, Lintels, Retaining Wall, Pires, Abutments, Pillers, Posts, Struts, Butteress, String or Lasing Corsess, Prapeets Copings, Bed Blocks, anchor blocks, plain windows cills, filliets, etc including cost of all materials, laobur HOM of machinary, curing complete as per specification. Second floor	Cum	26.7	26.70	Work done upto the billed Quantity and Quality is Satisfactory
18	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges) FOOTING & COLUMN	Cum	734	80.35	Work done upto the billed Quantity and Quality is Satisfactory

Address : No. 70/120, Maruthinagar, Nagarabhavi Main Road, Bengaluru-560072
& Hassan : G.O. Upstair Sanmathi Medicals, Slaters Hall Circle, Park Road, HASSAN-573 201
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RA BILL: 02nd and Part

Compiled Report

Boq Item No	Description	Unit	BOQ Qty	Present Measurements Qty	Amount
19	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges) GRADE BEAM	Cum	428.6	**169.00**	**Work done upto the billed Quantity and Quality is Satisfactory**
20	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges) ROOF SLAB	Cum	682.8	**280.12**	**Work done upto the billed Quantity and Quality is Satisfactory**
23	Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides & soffits of beams, beam hauncing cantilever girders, bressumers & lintels & not exceeding 1.0 in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2. First floor	Sqm	116.8	**1116.80**	**Work done upto the billed Quantity and Quality is Satisfactory**
24	Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides & soffits of beams, beam hauncing cantilever girders, bressumers & lintels & not exceeding 1.0 in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2. Second floor	Sqm	116.8	**1116.80**	**Work done upto the billed Quantity and Quality is Satisfactory**
28	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. First floor	Sqm	393.2	**393.20**	**Work done upto the billed Quantity and Quality is Satisfactory**
29	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. Second floor	Sqm	393.2	**393.20**	**Work done upto the billed Quantity and Quality is Satisfactory**
33	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification upto 3.5 m from Ground level - FIRST FLOOR	Sqm	1105.6	**1105.60**	**Work done upto the billed Quantity and Quality is Satisfactory**
34	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification upto 3.5 m from Ground level - GROUND FLOOR	Sqm	1105.6	**1153.60**	**Work done upto the billed Quantity and Quality is Satisfactory**
37	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. GROUND , FIRST , SECOND, THIRD FLOOR	Sqm	182.8	**102.89**	**Work done upto the billed Quantity and Quality is Satisfactory**

ESS ESS BUILDERS Consulting Engineer & Architects Bengaluru & Hassan Reg.No 2555343

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RA BILL: 02nd and Part

Compiled Report

	Description	Unit	BOQ Qty	Present Measurements	
				Qty	Amount
	Providing and removing centring, shuttering, strutting, proping etc., and removal of form work for stairs (excluding landing) except spiral staircase including cost of all materials,labour complete as per specification and directed by the Engineer in Charge. GROUND , FIRST , SECOND, THIRD FLOOR	Sqm	214	129.04	Work done upto the billed Quantity and Quality is Satisfactory
41	Providing and laying in position reinforced cement cocnrete of design mix M20 with OPC cement @ 27.20 Kgs with 12mm & down sizes graded grantie metal coarse aggregated @ 0.5865 cum & fine aggregates, @ 0.391 Cum with super super plastisiser @ 0.225 Ltrs maichine mixed well compacted plain chajja 8.50 Cms avg thickness, up to ground floor level including removing centering, shuttering, strutting, propping etc., and removal of form work for cost of all materials, laobur HOM of machinary, curing complete as per specification. FIRST FLOOR	Sqm	48	50.60	Work done upto the billed Quantity and Quality is Satisfactory
42	Providing and laying in position reinforced cement cocnrete of design mix M20 with OPC cement @ 27.20 Kgs with 12mm & down sizes graded grantie metal coarse aggregated @ 0.5865 cum & fine aggregates, @ 0.391 Cum with super super plastisiser @ 0.225 Ltrs maichine mixed well compacted plain chajja 8.50 Cms avg thickness, up to ground floor level including removing centering, shuttering, strutting, propping etc., and removal of form work for cost of all materials, laobur HOM of machinary, curing complete as per specification. FIRST FLOOR	Sqm	48	43.91	Work done upto the billed Quantity and Quality is Satisfactory
45	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels of all shapes & sizes, at all elevations & heights.	Sqm	195	101.21	Work done upto the billed Quantity and Quality is Satisfactory
49	Providing TMT Steel reinforcement for RCC works including straightening, cutting, bending, hooking, placing in position lapping and / or welding wherever required, tieng with binding wire and anchoring to the adjoining members wherever necessary, complete as per design (laps, hooks and wastage shall not be measured and paid) cost of all materials, labour, HOM of machineries etc., complete as per specifications. Specification No.KBS 4.6.3. FOR TMT Bars Fe- 500. FIRST FLOOR	Tonne	37.8	37.80	Work done upto the billed Quantity and Quality is Satisfactory
50	Providing TMT Steel reinforcement for RCC works including straightening, cutting, bending, hooking, placing in position lapping and / or welding wherever required, tieng with binding wire and anchoring to the adjoining members wherever necessary, complete as per design (laps, hooks and wastage shall not be measured and paid) cost of all materials, labour, HOM of machineries etc., complete as per specifications. Specification No.KBS 4.6.3. FOR TMT Bars Fe- 500. SECOND FLOOR	Tonne	37.2	37.20	Work done upto the billed Quantity and Quality is Satisfactory
54	Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of class designation 5.0 newton per sq mm (table moulded) with cement mortar 1:4 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.GROUND FLOOR	Cum	209.1	11.91	Work done upto the billed Quantity and Quality is Satisfactory

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Reg.No
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Consulting Engineer & Architects

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RA BILL: 02nd and Part

Compiled Report

Boq Item No	Description	Unit	BOQ Qty	Present Measurements Qty	Amount
55	Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of class designation 5.0 newton per sq mm (table moulded) with cement mortar 1:4 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. FIRST FLOOR	Cum	226	209.10	Work done upto the billed Quantity and Quality is Satisfactory
56	Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of class designation 5.0 newton per sq mm (table moulded) with cement mortar 1:4 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. SECOND FLOOR	Cum	226	220.85	Work done upto the billed Quantity and Quality is Satisfactory
60	Construction of partition wall 11.2 cms thick with non modular table moulded burnt bricks of class designation 5.0Newton per Sqmm with cement mortar 1:4 including cost of materials, labour charges, scaffolding, curing complete as per specifications. First FLOOR	Sqm	25	25.00	Work done upto the billed Quantity and Quality is Satisfactory
61	Construction of partition wall 11.2 cms thick with non modular table moulded burnt bricks of class designation 5.0Newton per Sqmm with cement mortar 1:4 including cost of materials, labour charges, scaffolding, curing complete as per specifications. Second FLOOR	Sqm	25	24.00	Work done upto the billed Quantity and Quality is Satisfactory

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Name of the work	PROJECT: PROPOSED CONSTRUCTION OF RAJARAJESHWARI SCHOOL (KALPANA ROAD) BUILDING IN WARD NO.17 J.P.PARK, BANGALORE
Name of Client	Executive Engineer, Project Division, R R Nagar Zone, BBMP Banglore.
Name of the contractor/Agency:	M/S M R Infra, No.123/30, 4th Floor, 1st Main Road, Rajajinagar Industrial Town, Bangalore-10.
Agreement No.	EE(P)/RRN/AGR/35/2021-22 Dated: 10.01.2022
Work Order No.	EE(Proj)/RRN/WO.No/32/2021-22 Dated: 11.01.2022
Contract Amount	Rs. 80,000,000.00
Consultancy Charges Amount	Rs. 799,000.00
Consultant Start Date of the work	11/Jan/22
Date Of Inspection	27/Apr/22
Bill Status	2nd and Part Bill
In The Presence of	Assistant Engineer, Ward No. 17, Project Division, R R Nagar Zone, BBMP, Banglore.
	Channakeshava, Engineer, M/S Ess Ess Builders, PMC Consultants. Banglore-72

RA BILL: 02nd and Part

Compiled Report

BOQ Item No	Description	Unit	BOQ Qty	Present Executed Measurements	
				Qty	Remark
2	Earth work for lowering and levelling the ground other than foundation works by mechanical means upto 3.00 depth, including providing shoring strutting and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavated earth to the extent required & utilising/transporting the remaining earth upto 1.00 km lead. Including the cost of labour & HOM as per drawing and technical specification	Cum	3610.00	**722.00**	**Work done upto the billed Quantity and Quality is Satisfactory**
	Above 125%	Cum	1737.30	**1737.30**	**Work done upto the billed Quantity and Quality is Satisfactory**
4	Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications.	Cum	863.40	**9.52**	**Work done upto the billed Quantity and Quality is Satisfactory**
5	Providing sand and cement piles with all leads and lift of 1.5 m. for stabilising foundation after duly making 5 cms. dia holes to a depth of 1.2 to 1.5 m. at 0.5 m c/c and filling with sand and 10% cement and tamping wherever required including cost of materials, labour complete as per specifications	Sqm	1451.88	**290.38**	**Work done upto the billed Quantity and Quality is Satisfactory**
	Above 125%	Sqm	285.22	**285.22**	**Work done upto the billed Quantity and Quality is Satisfactory**

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Ess Ess Builders and Consultants Pvt. Ltd. BANGALORE

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BOQ Item No	Description	Unit	BOQ Qty	Present Executed Measure	
				Qty	Remark
6	Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor,along the external perimeter of building,expansion joints,over the top surface of consolidated earth on which apron is to be laid,surrounding of pipes and conduits with chloropyriphos emulsifiable concentrates of 20% concentration,including cost of chemical,diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications.(Plinth area of the building at ground floor only shall be measured	Sqm	1408.13	**281.63**	**Work done upto the billed Quan and Quality is Satisfactory**
	Above 125%	Sqm	864.52	**864.52**	**Work done upto the billed Quantity and Quality is Satisfactory**
7	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications.	Cum	290.38	**58.08**	**Work done upto the billed Quantity and Quality is Satisfactory**
	Above 125%	Cum	53.49	**53.49**	**Work done upto the billed Quantity and Quality is Satisfactory**
8	Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications.	Cum	56.1	**1.21**	**Work done upto the billed Quantity and Quality is Satisfactory**
9	Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications.specification	Cum	1276.25	**255.25**	**Work done upto the billed Quantity and Quality is Satisfactory**
	Above 125%	Cum	7053.57	**7053.57**	**Work done upto the billed Quantity and Quality is Satisfactory**
10	Loading and Unloading of Stone Boulders/Stone Aggregates/sand/Kanker/moorum by Manual Means complete as per specifications. MORTH -100/ Chapter 1 & cost of Haulage excluding loading & unloading - 15 km	Cum	3610	**722.00**	**Work done upto the billed Quantity and Quality is Satisfactory**
	Above 125%	Cum	11391.11	**11391.11**	**Work done upto the billed Quantity and Quality is Satisfactory**
11	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm & down size graded grinite metel coarse aggregates @ 0.892 cum & fine aggregates @ 0.465 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15cms, thick well compacted, in foundation & plinth, cost of all materials, labour, HOM of machinery, curing complete as per specification.	Cum	315.81	**63.16**	**Work done upto the billed Quantity and Quality is Satisfactory**
	Above 125%	Cum	4.14	**4.14**	**Work done upto the billed Quantity and Quality is Satisfactory**
13	Providing & laying IN POSITION REINFORCED CEMENT CONCRETE of design mix M25 with OPC cement @ 340 Kgs with down size graded grinite metel coarse aggregates @ 0.70 Cum & fine aggregates @ 0.47 Cum with super plastisiser @ 3.0 Ltrs confirming to IS 9103-1999, re affirmed - 2008, Maichine mixed, concrete laid in layers not exeeeding 15cms thick, vibrated for all works in foundation ,Plinth,& Ground floor Level for Roof Slab, Staircase, Lintels, Retaining Wall, Pires, Abutments, Pillers, Posts, Struts, Butteress, String or Lasing Corsess, Prapeets Copings, Bed Blocks, anchor blocks, plain windows cills, filliets, etc including cost of all materials, laobur HOM of machinary, curing complete as per specification.Ground floor	Cum	26.7	**1.77**	**Work done upto the billed Quantity and Quality is Satisfactory**

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	Description	Unit	BOQ Qty	Present Executed Measurements	
				Qty	Remark
14	Providing & laying IN POSITION REINFORCED CEMENT CONCRETE of design mix M25 with OPC cement @ 340 kgs with down size graded grinite metel coarse aggregates @ 0.70 Cum & fine aggregates @ 0.47 Cum with super plastisiser @ 3.0 Ltrs confirming to IS 9103-1999, re affirmed - 2008, Maichine mixed, concrete laid in layers not exeeeding 15cms thick, vibrated for all works in foundation ,Plinth,& Ground floor Level for Roof Slab, Staircase, Lintels, Retaining Wall, Pires, Abutments, Pillers, Posts, Struts, Butteress, String or Lasing Corsess, Prapeets Copings, Bed Blocks, anchor blocks, plain windows cills, filliets, etc including cost of all materials, laobur HOM of machinary, curing complete as per specification. First floor	Cum	33.38	33.38	Work done upto the billed Quantity and Quality is Satisfactory
	Above 125%	Cum	0.59	0.59	Work done upto the billed Quantity and Quality is Satisfactory
15	Providing & laying IN POSITION REINFORCED CEMENT CONCRETE of design mix M25 with OPC cement @ 340 Kgs with down size graded grinite metel coarse aggregates @ 0.70 Cum & fine aggregates @ 0.47 Cum with super plastisiser @ 3.0 Ltrs confirming to IS 9103-1999, re affirmed - 2008, Maichine mixed, concrete laid in layers not exeeeding 15cms thick, vibrated for all works in foundation ,Plinth,& Ground floor Level for Roof Slab, Staircase, Lintels, Retaining Wall, Pires, Abutments, Pillers, Posts, Struts, Butteress, String or Lasing Corsess, Prapeets Copings, Bed Blocks, anchor blocks, plain windows cills, filliets, etc including cost of all materials, laobur HOM of machinary, curing complete as per specification. Second floor	Cum	26.7	28.47	Work done upto the billed Quantity and Quality is Satisfactory
18	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges) FOOTING & COLUMN	Cum	734	80.35	Work done upto the billed Quantity and Quality is Satisfactory
19	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges) GRADE BEAM	Cum	428.6	169.00	Work done upto the billed Quant and Quality is Satisfactory
20	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges) ROOF SLAB	Cum	682.8	280.12	Work done upto the billed Quan and Quality is Satisfactory
22	Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides & soffits of beams, beam hauncing cantilever girders, bressumers & lintels & not exceeding 1.0 in depth including cost of all materials, labour complete as per specifications. GROUND FLOOR	Sqm	1907.1	129.80	Work done upto the billed Qua and Quality is Satisfactor
23	Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides & soffits of beams, beam hauncing cantilever girders, bressumers & lintels & not exceeding 1.0 in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2. First floor	Sqm	1116.8	1099.87	Work done upto the billed Qu and Quality is Satisfacto
24	Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides & soffits of beams, beam hauncing cantilever girders, bressumers & lintels & not exceeding 1.0 in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2. Second floor	Sqm	1116.8	1285.67	Work done upto the billed Q and Quality is Satisfact

Date : .....

AE/JE (R&B)

A.E.E (R)

Address : H.O No. 70/120 Maruthinagar, Nagarabhavi Main Road, Bengaluru-560072
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Ph : (Off) 080-50058576, 08172-264013, (M) 94480-64014, 9916557576

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BOQ Item No	Description	Unit	BOQ Qty	Present Executed Measurem	
				Qty	Remark
27	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. GROUND FLOOR	Sqm	784.38	**156.88**	**Work done upto the billed Quan and Quality is Satisfactory**
	Above 125%	Sqm	92.93	**92.93**	**Work done upto the billed Quantity and Quality is Satisfactory**
28	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. First floor	Sqm	393.2	**458.02**	**Work done upto the billed Quantity and Quality is Satisfactory**
29	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. Second floor	Sqm	393.2	**458.02**	**Work done upto the billed Quantity and Quality is Satisfactory**
32	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification upto 3.5 m from Ground level - GROUND FLOOR	Sqm	1153.6	**1.18**	**Work done upto the billed Quantity and Quality is Satisfactory**
33	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification upto 3.5 m from Ground level - FIRST FLOOR	Sqm	1105.6	**1154.78**	**Work done upto the billed Quantity and Quality is Satisfactory**
34	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification upto 3.5 m from Ground level - GROUND FLOOR	Sqm	1105.6	**1154.78**	**Work done upto the billed Quantity and Quality is Satisfactory**
37	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. GROUND , FIRST , SECOND, THIRD FLOOR	Sqm	182.8	**102.89**	**Work done upto the billed Quantity and Quality is Satisfactory**
39	Providing and removing centring, shuttering, strutting, proping etc., and removal of form work for stairs (excluding landing) except spiral staircase including cost of all materials,labour complete as per specification and directed by the Engineer in Charge. GROUND , FIRST , SECOND, THIRD FLOOR	Sqm	214	**169.93**	**Work done upto the billed Quantity and Quality is Satisfactory**
41	Providing and laying in position reinforced cement cocnrete of design mix M20 with OPC cement @ 27.20 Kgs with 12mm & down sizes graded grantie metal coarse aggregated @ 0.5865 cum & fine aggregates, @ 0.391 Cum with super super plastisiser @ 0.225 Ltrs maichine mixed well compacted plain chajja 8.50 Cms avg thickness, up to ground floor level including removing centering, shuttering, strutting, propping etc., and removal of form work for cost of all materials, laobur HOM of machinary, curing complete as per specification. FIRST FLOOR	Sqm	48	**50.60**	**Work done upto the billed Quantity and Quality is Satisfactory**
42	Providing and laying in position reinforced cement cocnrete of design mix M20 with OPC cement @ 27.20 Kgs with 12mm & down sizes graded grantie metal coarse aggregated @ 0.5865 cum & fine aggregates, @ 0.391 Cum with super super plastisiser @ 0.225 Ltrs maichine mixed well compacted plain chajja 8.50 Cms avg thickness, up to ground floor level including removing centering, shuttering, strutting, propping etc., and removal of form work for cost of all materials, laobur HOM of machinary, curing complete as per specification. FIRST FLOOR	Sqm	48	**43.91**	**Work done upto the billed Quantity and Quality is Satisfactory**

A.E.E (P)

AE / JE (P) RRN R.R. Nagar

Dt BANGALORE

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	Description	Unit	BOQ Qty	Executed Measurements Qty	Remark
	~~etc., for chajjas, corbels of all shapes & sizes, at all elevations & heights.~~	~~Sqm~~	~~195~~	~~101.21~~	Work done upto the billed Quantity and Quality is Satisfactory
				Date :	
48	Providing TMT Steel reinforcement for RCC works including straightening, cutting, bending, hooking, placing in position lapping and / or welding wherever required, tieng with binding wire and anchoring to the adjoining members wherever necessary, complete as per design (laps, hooks and wastage shall not be measured and paid) cost of all materials, labour, HOM of machineries etc., complete as per specifications. Specification No.KBS 4.6.3. FOR TMT Bars Fe- 500. GROUND FLOOR	Tonne	90.53	2.41	Work done upto the billed Quantity and Quality is Satisfactory
49	Providing TMT Steel reinforcement for RCC works including straightening, cutting, bending, hooking, placing in position lapping and / or welding wherever required, tieng with binding wire and anchoring to the adjoining members wherever necessary, complete as per design (laps, hooks and wastage shall not be measured and paid) cost of all materials, labour, HOM of machineries etc., complete as per specifications. Specification No.KBS 4.6.3. FOR TMT Bars Fe- 500. FIRST FLOOR	Tonne	37.8	39.13	Work done upto the billed Quantity and Quality is Satisfactory
50	Providing TMT Steel reinforcement for RCC works including straightening, cutting, bending, hooking, placing in position lapping and / or welding wherever required, tieng with binding wire and anchoring to the adjoining members wherever necessary, complete as per design (laps, hooks and wastage shall not be measured and paid) cost of all materials, labour, HOM of machineries etc., complete as per specifications. Specification No.KBS 4.6.3. FOR TMT Bars Fe- 500. SECOND FLOOR	Tonne	46.5	46.50	Work done upto the billed Quantity and Quality is Satisfactory
	Above 125%	Tonne	0.91	0.91	Work done upto the billed Quantity and Quality is Satisfactory
54	Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of class designation 5.0 newton per sq mm (table moulded) with cement mortar 1:4 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.GROUND FLOOR	Cum	209.1	2.96	Work done upto the billed Quantity and Quality is Satisfactory
55	Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of class designation 5.0 newton per sq mm (table moulded) with cement mortar 1:4 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. FIRST FLOOR	Cum	226	217.11	Work done upto the billed Quantity and Quality is Satisfactory
56	Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of class designation 5.0 newton per sq mm (table moulded) with cement mortar 1:4 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. SECOND FLOOR	Cum	226	220.85	Work done upto the billed Quantity and Quality is Satisfactory
59	Construction of partition wall 11.2 cms thick with non modular table moulded burnt bricks of class designation 5.0Newton per Sqmm with cement mortar 1:4 including cost of materials, labour charges, scaffolding, curing complete as per specifications. GROUND FLOOR	Sqm	30	6.00	Work done upto the billed Quantity and Quality is Satisfactory
	Above 125%	Sqm	3.96	3.96	Work done upto the billed Quantity and Quality is Satisfactory
60	Construction of partition wall 11.2 cms thick with non modular table moulded burnt bricks of class designation 5.0Newton per Sqmm with cement mortar 1:4 including cost of materials, labour charges, scaffolding, curing complete as per specifications. First FLOOR	Sqm	31.25	31.25	Work done upto the billed Quantity and Quality is Satisfactory

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BOQ Item No	Description	Unit	BOQ Qty	Present Executed Measurement	
				Qty	Remark
	Above 125%	Sqm	2.71	2.71	Work done upto the billed Quantity and Quality is Satisfactory
61	Construction of partition wall 11.2 cms thick with non modular table moulded burnt bricks of class designation 5.0Newton per Sqmm with cement mortar 1:4 including cost of materials, labour charges, scaffolding, curing complete as per specifications. Second FLOOR	Sqm	31.25	31.25	Work done upto the billed Quantity and Quality is Satisfactory
	Above 125%	Sqm	2.71	2.71	Work done upto the billed Quantity and Quality is Satisfactory
	EIRL				
EIRL-1	Earth work excavation for foundation of structures upto 3 by mechanical means as per drawing and technical specification, including setting out, providing shoring, strutting and bracing, removal of stumps and other deleterious matter dressing of sides and bottom, filling back the excavated earth to the extent required and utilising / transporting the remaining earth upto 1.00km lead, including cost of labour, materials and HOM etc., complete.	Cum	5192.36	5192.36	Work done upto the billed Quantity and Quality is Satisfactory
EIRL-2	Extra for additional lift Of 1.5m. or part thereof for excavation In soil / rock including cost of materials, labour complete as per specifications.	Cum	1557.71	1557.71	Work done upto the billed Quantity and Quality is Satisfactory
EIRL-3	Extra for laying cement concrete under water including cost of pumping or dewatering and clearing slush as per specifications.	Cum	677.06	677.06	Work done upto the billed Quantity and Quality is Satisfactory
EIRL-4	Providing and removing centering, shuttering, strutting,propping etc., and removal of form work for columns, pillars,posts and struts, circular or curved in plan including cost of all materials, labour complete as per specifications	Sqm	86.66	86.66	Work done upto the billed Quantity and Quality is Satisfactory

Ess Ess Builders and Consultants
Proprietor

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R.R. Nagar

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